Revision ID:	D350-748-141 Crosstube Turn	ets. Step mes		Accept	*N90004	10100 <b>*</b>	Setup Sta	*11/2
Start Date: 2 Required Date: 2 Reference:		Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:		(e)	14112
	Process Plan QC:	: MLJ	Date: \7/06/2	6 Tooling: SPC (Y/N):	Date: Date:		Run Sta	"NR1"
Sequence ID/ Work Center ID	,	Operation Description		Set Up/ Run Hours	Tool ID To	ol# Plan A Code Q	ccept Reject ty Qty	Reject Insp. Number Stamp
Draw Nbr	Revis	ion Nbr		*	- 10		·····	
D350-748-141	F·	7	. 4					
*100 *100* Mori Seiki		MORI SEIKI CNC LAT	HE LARGE	0.00	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		KC/A	MM. 12-7-4
Mori Seiki CNC Latho	e Large	1-Fill tube v 2-Turn first			548		/	,
*110*	(	QC1- Inspect dimensions	s to dimensión sheet	0.00	9	4. Ki	Janan.	V
QG Quality Control		Мето		0.00			9-1	12-1-4

# **Dart Aerospace Ltd**

W/O:		WORK ORDER CH	WORK ORDER CHANGES						
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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							1.4.9		
Part No	١•	PAR #· Fault Category:	NCR: Yes	No DO	Δ.	Date:			

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B	Verification	Ammerical						
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
		12										
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\*86271\*

Page 2

June-26-12 12:43:13 PM

Item ID: Revision ID:	D350-748-14	41TRN			Accept	*N90	004	710	<b>N</b> *	Setup		i /u	S1*	•
Item Name:	Crosstube Tur	ming Detail									Stop	, *N	S2*	•
Start Date:	26/06/2012	Start Qty: 1.00		*1*		Cust Ite	em ID:							
Required Date	: 28/06/2012	Req'd Qty: 1.00		*1*		Custom	er:							
Reference:														
Approvals:	Process Pla	ın:	Date:		Tooling:		Date:			Run	Star	1/1	R1*	•
	QC:		Date:		SPC (Y/N):		Date:				Stop	*N	R2*	•
Sequence ID/ Work Center I	D	Operation Description		<del></del>	Set Up/ Run Hours	Tool I	D Tool	# Plan Code	Accep Qty	t Rej Qty		Reject Number	Insp. Stamp	
		MORI SEIKI CNC LA	THE LARGE		0.00									
*120* Mori Seiki		Memo			0.00									_
Mori Seiki CNC La	ithe Large	1-Turn se 2- File tra 3-Scribe I	cond side as per nsition lines sm Part & Batch as EV: A D V: E	ooth.										919/07/0
130		QC1- Inspect dimension	ons to dimension	n sheet	0.00									
*130* QC Quality Control		Memo			0.00								9	- 1M,C
									AS				12	107/09
*1 <b>4</b> 0		QC8- Inspect parts - se	econd check		0.00			(			17	-7-	ファ	>
QC Quality Control		Memo			0.00						16			<b>&gt;</b> _

# **Dart Aerospace Ltd**

W/O:		WORK ORDER CH	WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
1:1	Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:	.5	WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC		Corrective Action Section B		Verification	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto				
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Item ID: Revision ID:	D350-748-14	41TRN				Accept	*N	900	040	1100	)*	Setup Star	* *N	S1*
Item Name:	Crosstube Tur	ning Detail										Stop	· *NI	S2*
Start Date: Required Date: Reference:	26/06/2012 : 28/06/2012	-	ty: 1.00 Qty: 1.00		*1** *1*			ust Item I ustomer:	D:				IV	
Approvals:	Process Pla					Tooling: SPC (Y/N):			ate:			Run Star Stop	I <i>Л</i>	R1* R2*
Sequence ID/ Work Center I	D	Operation Descript		, , , ,		Set Up/ Run Hours		Fool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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*150* Crosstubes		Large Fab	Memo	HOLES FOR I	HEAT TREAT	0.00 USING DT9806(HO	ES MIST DE			107/1				
		**	ALIGNEI	OON SAME L	INE ON BOT	H CUFFS)	1Z-7.		)	101/2	<i>.</i> Y			
r60		Outsource	process - H	eat Treat		0.00								
*160* Outsource1 Outsource process	Heat Treat	Suisouree	Memo Issue P/O: Heat Trea (MIL-T-6)	175	2759-1C)	0.00 0.00 D350-748-141							12-07	7-27
				upplier: Vac A ertificate of Co		ached _							<b>+</b>	10

# **Dart Aerospace Ltd**

<b>W/O</b> : €	6271	WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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		C2 27-196									

Resolution:	Disposition:	271	QA: N/C Closed		<del></del>
Part No: <u>D350-748 - 1417RU</u> PAR #:	Fault Category:	Dupplion	NCH: Yes No	DQA: AAZ Date:	12/11/02

NCR:		W	WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B	Verification	Approval	Approval QC Inspector				
DATE	STEP	Section A	Chief Eng.		Sign & Date	Section C		Chief Eng			
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Item ID: Revision ID: Item Name:	D350-748-1	41TRN	TT STG LINAULL.	Accept	*N900040	100*	Setup Start	14.71
Start Date: Required Date: Reference:	26/06/2012	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:			*NS2*
Approvals:		in:	Date:		Date:		Run Start Stop	"NR1"
Sequence ID/ Work Center II 170 *170* Packaging	)	Operation Description Receive & Inspect for Date Memo	mage & Mat'l Certs	Set Up/ Run Hours 0.00	Tool ID Tool #	Plan Acc Code Qt		Reject Insp. Number Stamp
Packaging		Ensure certification   QC6- Inspect dimensions	icate of conformaty is at to drawing	tached  0.00		K.	4/2/2(l)	12-8-
*180* QC Quality Control		Мето		0.00 SAO	reliater			
*100* Packaging Packaging		Packaging  Memo  Identify and s Location:	tock in kanban rack	0.00		J	W 12-1	<u> </u>

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W/O:		——————————————————————————————————————	WC	ORK ORDER CHANGE	S				•
DATE	STEP	PRO	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date: _	<u> </u>
	R	esolution:	Disposition	n:	QA: N/C C	losed:		Date: _	
NCR:		\	WORK ORDI	ER NON-CONFORMA	NCE (NC	R)			
		Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date	& Sect	ion C	Chief Eng	QC Inspector
				*					
				•					

Page 5

June-26-12 12:43:13 PM Item ID: D350-748-141TRN Accept \*N900040100\* Setup Start **Revision ID:** Crosstube Turning Detail Item Name: **Start Date:** 26/06/2012 Start Qty: 1.00 Cust Item ID: **Required Date:** 28/06/2012 Req'd Qty: 1.00 **Customer:** Reference: Start Run Approvals: Process Plan: Date: **Tooling:** Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Reject Accept Reject Insp. Work Center ID Description Qty **Run Hours** Code Qty Number Stamp 200 QC21- Final Inspection - Work Order Release 0.00 \*200\* 0.00 Memo Quality Control

V1210-30

# **Dart Aerospace Ltd**

W/O:		WORK ORDER CH	IANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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21.2					I		J

Part No:	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date: _	
Resolution:		Disposition:	QA: N/C Closed	l:	Date: _	

	WORK ORDER NON-CONFORMANCE (NCR)									
	Description of NC		Corrective Action Section B		Verification	Approval	Approval			
STEP	Section A			Sign & Date	Section C	Chief Eng	QC inspector			
	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Section A Initial Action Description Sign & Section C	STEP Description of NC Section A Initial Action Description Sign & Section C Chief Eng			

### **Picklist Print**

- June-26-12 12:43:16 PM

Work Order ID: 86271

\*86271\*

Parent Item: D350-748-141TRN \*D350-748-141TRN\*

Parent Item Name: Crosstube Turning Detail

**Start Date:** 26/06/2012

**Required Date: 28/06/2012** 

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:A New Issue 08-03-06 DD verified by:ec

IPP Rev B Removed polish 08.04.02 EC verified by: DD

IPP Rev C Remove LPS-3 08.06.23 EC verified by DD IPP Rev C

11.02.24 as per dwg rev.F DD verf: JLM

Component Item ID/ Item Name	Replacement Item ID	Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6015-125		Manufactured	No			110	Each	32.0000	1	1			
*D6015-12	25*								**				

Crosstube Material

<b>Location</b>	Loc Qty	Loc Code	
HALL	32		
61380	4		
72511	28		

66-129-4

## **Dart Aerospace Ltd**

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W/O:			W	ORK ORDER CHANG	it5				·····
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	egory:	NCR: Ye	s No D	QA:	Date: _	
	Re	esolution:	Disposition	on: '	QA: N/C	Closed: _		Date: _	
NCR:			WORK ORE	ER NON-CONFORM	ANCE (NO	CR)			
DATE	STEP	Description of NC	Initial	Corrective Action Section Description	tion B		fication	Approval	Approval
		Section A	Chief Eng	Chief Eng	Da		ction C	Chief Eng	QC Inspector
								<u> </u>	

<b>JART AEROSPACE LTD</b>	Work Order:	86271
Description: Crosstube Assembly (AS350/355 High Fwd)	Part Number:	D350-748-141
Inspection Dwg: D350-748-141 Rev: F		Page 1 of 2

# FIRST ARTICLE INSPECTION CHECKLIST

	spection Sheet wing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
	2.240	+0.005/-0.000	2.242			vero	CNLOS
	2.180	+0.005/-0.000	2.184	1		1	
	2.180	+0.005/-0.000	2.140	/			
	2.237	+0.005/-0.000	2.240	/			
	2.272	+0.005/-0.000	2.276				
_	2.306	+0.005/-0.000	2.311				
E A	2.339	+0.007/-0.000	2.244				
SIDE	2.339	+0.007/-0.000	2.245			J	
E	0.062	+/-0.010	.062	/		vern	owerds
	4.26	+/-0.030	4.26	/	•	11	
	R0.063	+/-0.010	.063	/		<b>&amp;</b> 6	
-	R0.50	+/-0.030	-560			1(	
	2.240	+0.005/-0.000	2.243			Lern	C4V2-08
	2.180	+0.005/-0.000	2.163			(	2410 00
	2.180	+0.005/-0.000	2.180	7			
	2.237	+0.005/-0.000	2.238				
	2.272	+0.005/-0.000	2.272				
	2.306	+0.005/-0.000	2.3/1				
E B	2.339	+0.007/-0.000	2.243	/	······································		,
SIDI	2.339	+0.007/-0.000	2.245	-		Ü	
	0.062	+/-0.010	.067		-	vern	CNUCO
	4.26	+/-0.030	4.26			: (	LVV
	R0.063	+/-0.010	.063			Rb	
	R0.50	+/-0.030	.500			(1	
	110.27	+/-0.060	170.270			tape	\$6-22

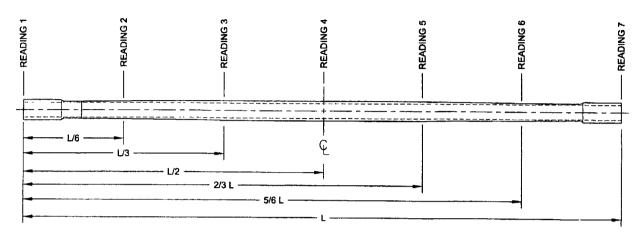
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	./٦		W	ORK ORDER CHANGES					
7	Dar TEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Ca	tegory: N	ICR: Yes	No DQA:		Date: _	
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NCR:		V	VORK OR	DER NON-CONFORMANO	CE (NCR	3)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign & Date	Verifica Section		Approval Chief Eng	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCK)									
·		Description of NC		Corrective Action Section B		Verification	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng			Section C	Chief Eng	QC Inspecto			
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<sup>\*</sup> H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

DART AEROSPACE LTD	Work Order:	17503
Description: Crosstube Assembly (AS350/355 High Fwd)	Part Number:	D350-748-141
Inspection Dwg: D350-748-141 Rev: F		Page 2 of 2

# **WALL THICKNESS MEASUREMENT**



	WALL THICKNESS MEASUREMENT (IN) Deviation					
Location	w1	w2	w3	w4	Δw (max-min)	TOLERANCE
READING 1 L= 0"	.123	.124	.123	,125	,067	
READING 2	,099	-094	./07	.110	-016	ধ
READING 3	-143	.135	.149	.154	.019	
READING 4	.170	.172	.179	.179	.009	0.030"
READING 5	-146	167	140	133	.024	
READING 6	-098	.115	-107	.089	.026	
READING 7	. 12.4	.130	.121	. 119	·Oll	

Calibration Result

Actual Block Thickness: \_\_\_\_\_\_Sitescan 250 Measured Thickness: \_\_\_\_\_

Measured by: Audited by: Preliminary Approval:

Date: 12/07/11

Date: 12 -2 -3

Date:

Rev	Date	Change	Revised by	Approved
Α	06.11.09	New Issue (P/O D350-748-101)	KJ/JLM	
В	07.10.24	Dwg Rev updated	KJ/EC/DD	
С	11.01.20	Dwg Rev updated	KJ	
D	11.07.26	Tolerance revised for 2.339 dimensions	KJ .O.	11
E	12.06.04	Wall thickness form added	KJ KJ	AM

# **Dart Aerospace Ltd**

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W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	OCEDURE CHA	NGE	B	By Date		Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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	,									
				•				1		
Part No	·	PAR #:	Fault Cate	gory:	NCR: Y	∟ ∕es N	o DQ	<b>A</b> :	Date:	
		esolution:								
NCR:	· · · · · · · · · · · · · · · · · · ·		WORK ORD	ER NON-CONFORMA	NCE (N	ICR)	_			
DATE	CTED	Description of NC	Description of NC Corrective Action		ion B		Verification		Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Secti		Chief Eng	QC Inspector

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ltem	Qty -141	Part Number	Description
1	Х	D350-748-141	CROSSTUBE ASSEMBLY (AS 350/355 HI FWD)
2	1	D6015-125	CROSSTUBE (OR D6017-115)
3	2	D3502-1	SUPPORT
4	2	D2856-400-710	ABRASION STRIP
5	1	AELS-1032-225	INSERT
6	1	NAS1149D0363J	WASHER (OR AN960JD10)
7	2	MS21920-20	CLAMP (PER DART SPEC. M-MS21920-20)
8	1	MS27039-1-10	SCREW

#### **GENERAL NOTES:**

1) MATERIAL: MANUFACTURED FROM D6015-125 OR D6017-115

FINISHED LENGTH = 110.270±0.06

2) FINISH: MAGNETIC PARTICLE INSPECT PER DART QSI 038 4.2 CADMIUM PLATE PER AMS-QQ-P-416B, CLASS 1, TYPE II PRIME INSIDE AND OUTSIDE PER DART QSI 005 4.2 PAINT OUTSIDE PER DART QSI 005 4.2

- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- UNITS: INCHES UNLESS OTHERWISE NOTED.
- BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- 6) IDENTIFICATION: DART PART NUMBER "D350-748-141" AND BATCH NUMBER ON INSIDE OF CUFF PER DART QSI 044 6.4 (VIBRATING STYLUS)
- 7) WEIGHT: 30.45 lbs
- PART IS SYMMETRIC ABOUT CENTERLINE, EXCEPT FOR Ø0.297 HOLE.
- BLEND OUT ALL EDGES FROM MACHINING LONGITUDINALY, TRANSITION SHOULD BE SMOOTH. NOTE: ALL HOLES ARE DRILLED AFTER BENDING.
- 10) BEND PROGRESSIVELY WITH A MINIMUM OF 7 PASSES. MAXIMUM TUBE FLATTENING DUE TO BENDING IS 6% BASED ON O.D.

11) HEAT TREAT TO MIN. 180 KSI. PER MIL-T-6736 OR AMS 2759-1C AFTER TURNING. ACCEPTABLE TO VERIFY TENSILE STRENGTH BY HARDNESS TEST PER ASTM E18 TO 40-45 HRC.

- 12) INSTALL D2856-400-710 ABRASION STRIPS WITH A GAP ON BOTTOM SIDE OF CROSSTUBE, CENTERED OPPOSITE D3502-1 SUPPORT, PER QSI 035.
- 13) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH AS SCRATCHES. NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE. WHEN DRILLING HOLES EXTREME CARE MUST BE TAKEN AND CAREFUL DEBURRING PERFORMED TO ENSURE A CLEAN HOLE WITH NO CRACKING/CHIPPING/GROOVES.
- 14) TORQUE CLAMPS 60 TO 80 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY AND THAT NUT HAS NOT BOTTOMED-OUT AFTER TORQUING.

8

15) MAX TWIST AFTER BENDING: WITH XTUBE LAYED FLAT ON SURFACE, THE DIFFERENCE BETWEEN CUFF HEIGHTS FROM THE SURFACE MAY BE NO LARGER THAN 0.25 (ZN C1-3).

SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

WORK ORDER NO. 8627 MLJ

12/06/26

UNDER REVIEW W 11.07.12

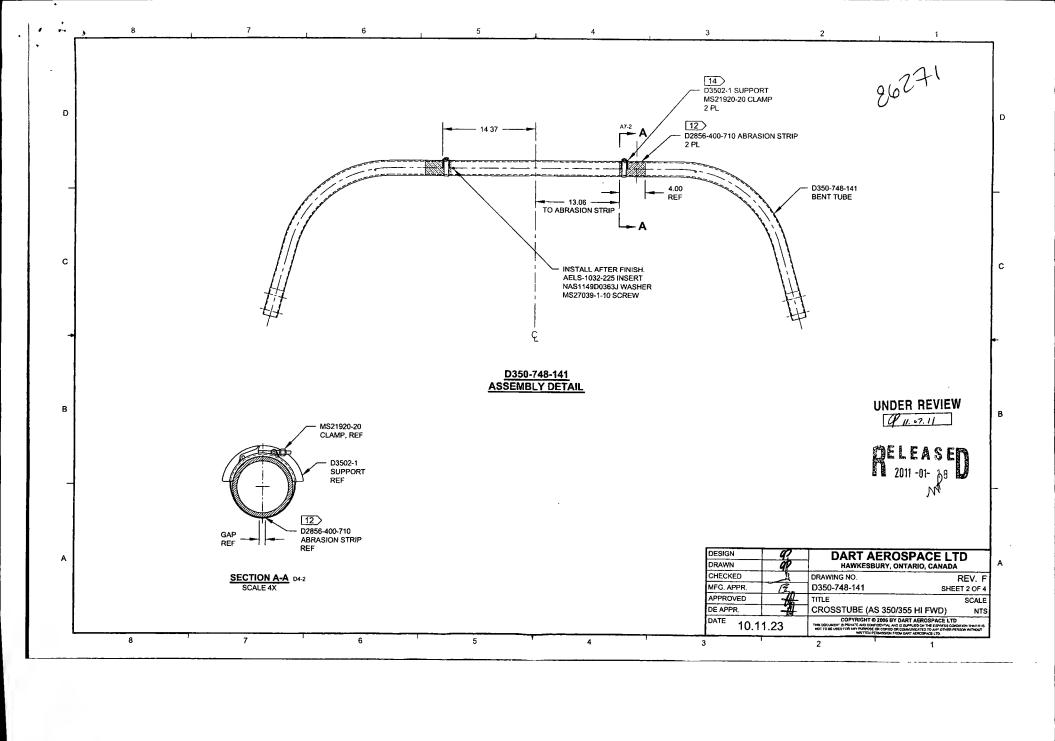
В

DESIGN			
REV.	DESCRIPTION	BY	DATE
Α	NEW ISSUE	CP	06.03.31
B	ADD D6017-115 & PRIME AND PAINT	CP	06.06.30
c	ADD CAD PLATING	CP	06.08.14
D	MAG. PARTICLE AND CAD PLATE AS MFD.	CP	06.10.31
ε	REVISE GENERAL NOTES; UPDATE TO CURRENT ADD STANDARDS; RELOCATED FLAG #6 PER PAR 08-046 (ZN A6-3); TOLERANCES (ZN C6-3, D1-3)	RF	09.09.30
F	ADD HRC TEST OPTION (B8-1) PER PAR 09-040, ADD TWIST LIMIT (A8-1, C1-3), ADD D6015-125 OPTION (C8-1), STOCK DIM NOW MACHINED (D1-4)	CP	10.11.23

REV.		DESCRIPTION	BY	DATE
DESIGN	P	DART AEROS	PACE	I TO
DRAWN	9?	HAWKESBURY, ONT.	ARIO, CAN	ADA
CHECKED	- A	DRAWING NO.		REV. F
MFG. APPR.	E	D350-748-141	5	SHEET 1 OF 4
APPROVED	16	TITLE		SCALE
DE APPR.	-78	CROSSTUBE (AS 350/35	5 HI FWD	) NTS
DATE 10.1	1.23	COPYRIGHT © 2006 BY DAR THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUIT NOT TO BE USED FOR ANY PURPOSE OR COPED OR COME		

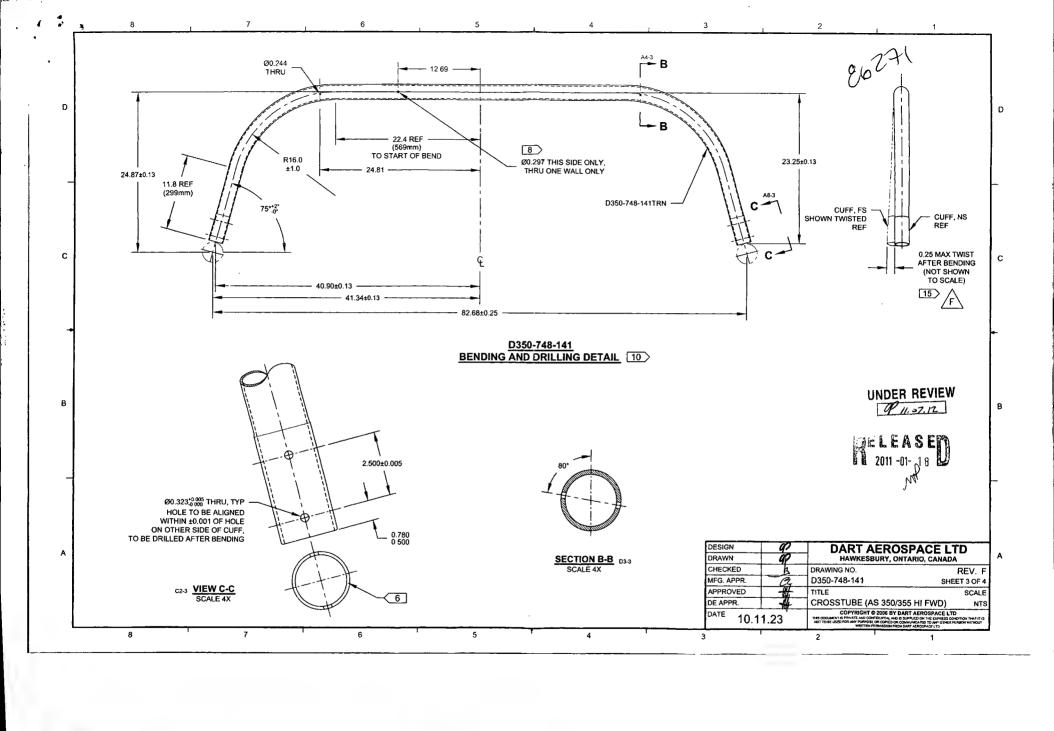
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DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	Fault Category:	NCR: Yes	No <b>DQ</b>	A:	Date: _	
	Resolution	1:	Disposition:	QA: N/C (	losed:		Date: _	
NCR:			WORK ORDER NON-CON	FORMANCE (NC	R)			

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector		



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W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No <b>DQ</b>	A:	Date: _			
	R	esolution:	Disposition	); <u></u>	QA: N/C CI	osed:		Date: _			
NCR:		,	WORK ORDE	ER NON-CONFORMA	NCE (NCR	)					
DATE	STEP	Description of NC	Description of NC Corrective Act		······································				Approval		
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sect	ion C	Chief Eng	QC Inspector		
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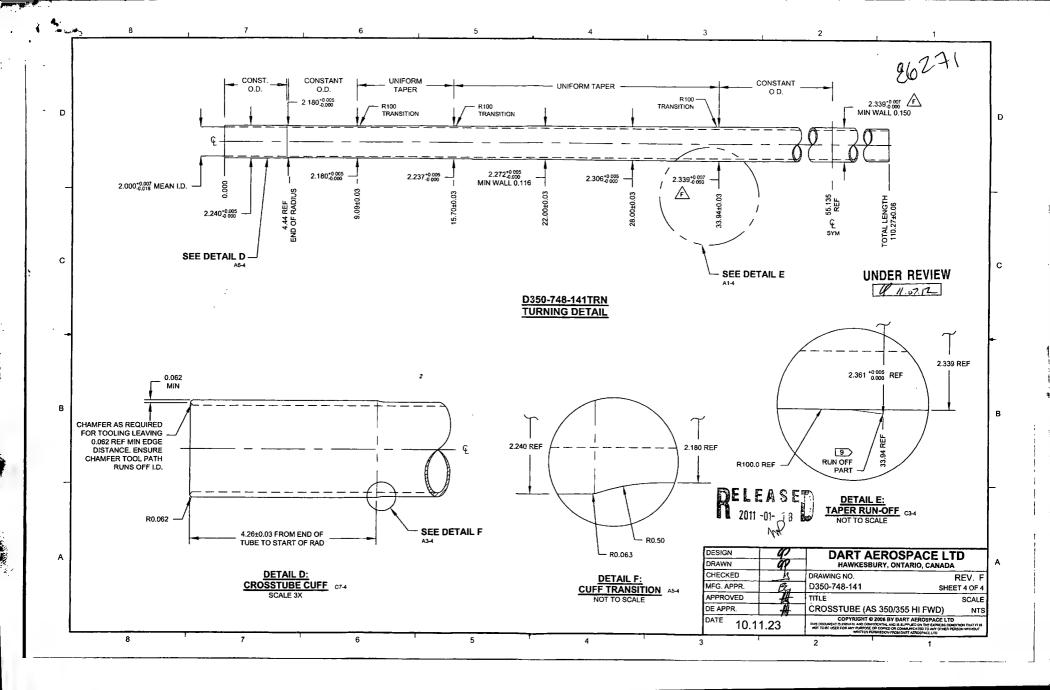


Dart Aerospace L	Ltd
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W/O:	/	• WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
		<b></b>								

Part No:	PAR #: Fault Category:	NCR: Yes No DQA:	Date:
Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B		Verification	Annewal	A
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC inspector



Duit Au	ospace Li	ou .		-	5.					٠٩
W/O:			WORK O	<b>RDER CHANGI</b>	ES					1
DATE	STEP	PRO	CEDURE CHANGE		794. 4 315	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		*	di.	-						-
		e projektion .				-				;
Part No	):	PAR #:	Fault Category:	*	_ NC	R: Yes	No <b>DQ</b>	A:	Date:	· · · · · ·
		olution:								
NCR:		V	ORK ORDER NO	N-CONFORMA	ANCE	E (NCF	₹)			
			Correc	tive Action Section	on B		Verifi	cation	Approval -	Approval
DATE	STEP	Section A	Initial A Chief Eng	ction Description Chief Eng	¥	Sign 8 Date	Sect	ion C	Chief Eng /	QC Inspector
-				\$1 \$ \$ \$				*		
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						<u> </u>		· · · · · · · · · · · · · · · · · · ·		

# METLAB 1000 E. MERMAID LANE WYNDMOOR, PA 19038

Sales Order Aug 1,

Voice:

215-233-2600

Fax:

215-233-5653

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Customer ID	PO Number	Payment Terms
DARA	PO17555	Net 30 Days
:	Ship Via	Process
ĭ	R & L CARRIER	-/~ HT

Quantity Item	Description	Total Shipped	This Shipr
1.00 EACH	D350-748-241TRN		
	HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		1
1	AMS 2759-IC)	· ! !	
	SANDBLAST AFTER HT		
1.00 <sub>;</sub> EACH	D350-748-241TRN		1
	HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
	AMS 2759-IC)		
	SANDBLAST AFTER HT	: !	:
1.00 EACH	D350-748-241TRN	!	
	HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
	AMS 2759-IC)		
	SANDBLAST AFTER HT	ا سنڌي	1
1.00 EACH	D350-748-241TRN		1
	HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR	<u> </u>	
1	AMS 2759-IC)		
	SANDBLAST AFTER HT	;	:
1.00 EACH	D350-748-241TRN		1
	HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR	<b>i</b>	
ļ	AMS 2759-IC)		
1	SANDBLAST AFTER HT		1
 	· · · · · · · · · · · · · · · · · · ·		1

COMMENTS

SHIPPED BY, SIGNATURE

DATE

**METLAB** 

RECEIVED BY, SIGNATURE DART AEROSPACE

DATE

# METLAB 1000 E. MERMAID LANE WYNDMOOR, PA 19038

Packing I

22

Sales Order Nu.

Sales Order Aug 1,

Voice: Fax:

215-233-2600 215-233-5653

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Customer ID	PO Number	Payment Terms
DARA	PO17555	Net 30 Days
	Ship Via	Process
-	R & L CARRIER	

Quantity	Item	Description	Total Shipped	This Shipn
	EACH	D350-748-241TRN	1	,
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR	1	;
ı		AMS 2759-IC)	1	:
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1.00	EACH	D350-748-241TRN		
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		AMS 2759-IC)	•	
i		SANDBLAST AFTER HT		1
1.00	EACH	D350-748-241TRN		1
1		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
1		'AMS 2759-IC)		
- 4		SANDBLAST AFTER HT	1	1
1.00	EACH	D350-748-241TRN		!
:		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR	1	
Í		AMS 2759-IC)	بستن ا	}
:		SANDBLAST AFTER HT		
1.00	EACH	D350-748-241TRN		
		HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR		
1		AMS 2759-IC)		
•		SANDBLAST AFTER HT	•	
. 1			į	

COMMENTS

SHIPPED BY, SIGNATURE DATE **METLAB** 

. 22

RECEIVED BY, SIGNATURE DART AEROSPACE

DATE

# **METLAB** 1000 E. MERMAID LANE WYNDMOOR, PA 19038

Sales Order Nt.

Sales Order Aug 1,

Voice: Fax:

215-233-2600 215-233-5653

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Customer ID	PO Number		Payment Terms
DARA	PO17555		Net 30 Days
	Ship Via	)	Process
-	R & L CARRIER	ı	

Quantity	Item	Description	Total Shipped	This Ship
ı		250 POUNDS TOTAL	1	
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r 			•	
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COMMENTS

SHIPPED BY, SIGNATURE

DATE

**METLAB** 

RECEIVED BY, SIGNATURE DART AEROSPACE

DATE

ختائزي



# Invoice

Invoice Num 0114 Invoice D Aug 16, 20

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE

1270 ABERDEEN STREET

HAWKESBURY, ON K6A 1K7

Cus	tomer ID	Customer PO	Payment Te	erms
: [	DARA	PO17555	Net 30 D	
Shop	Order No.	Shipping Method	Ship Date	Due Dat
7	3276	R & L CARRIER	8/16/12	9/15/12
Quantity	<sup>I</sup> tem	Description	Unit Price	Extensi
1	EACH	D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	20
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736	205.000	2(
1	EACH	OR AMS 2759-IC) SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736) OR AMS 2759-IC)	205.000	2(
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736) OR AMS 2759-IC)	205.000	2(
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736) OR AMS 2759-IC)	205.000	2(
1	EACH .	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736	205.000	2(
1			, :	

ANY DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS AFTER RECEIPT.

Subtotal Conti Shipping/Handling Total Invoice Amount Conti Payment Received

TOTAL

Conti

AFFAL TREATING INSTITUTE

Heat Treating and Metallurgical Consulting

We accept AMEX, Visa & Master Card

Visit our Web Site: <www.thomasregister.com/metlab/>



# Invoice

Invoice Num 0114\* Invoice C Aug 16, 2

Sold To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7

Cus	stomer ID	Customer PO	Payment Te	erms	
!	DARA	PO17555	Net 30 Days		
Shor	o Order No.	Shipping Method	Ship Date	Due Dat	
	73276	R & L CARRIER	8/16/12	9/15/12	
Quantity	/ Item	Description	Unit Price	Extensi	
1	EACH	OR AMS 2759-IC) SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	21	
1	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736) OR AMS 2759-IC)	205.000	2(	
	EACH	SANDBLAST AFTER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC)	205.000	20	
1	EACH	SANDBLAST ÁFŤER HT D350-748-241TRN HEAT TREAT TO MIN 180 KSI (MIL-T-6736 OR AMS 2759-IC) SANDBLAST AFTER HT 250 POUNDS TOTAL	205.000	20	
; ,					

ANY DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS AFTER RECEIPT.

Subtotal 2,05
Shipping/Handling
Total Invoice Amount 2,05
Payment Received

ATTAL TREATING HISTOTTE

Heat Treating and Metallurgical Consulting

We accept AMEX, Visa & Master Card

TOTAL

2,05

# North American Free Trade Agreement Certificate of Origin

### Please print or type

1. Exporter's Name and Address:	2. Blanket Perio	od: (dd/mm/yyyy	/)		
Metlab 1000 E. Mermaid Lane Wyndmoor, PA 19038	From:	01/01/2012	To:	31/12/2012	
Tax Identification Number: 23-2					
3. Producer's Name and Address:	4. Importer's Na	ime and Addres	ss:		
Metlab 1000 E. Mermaid Lane Wyndmoor, PA 19038	Dart Aerospac 1270 Aberdee Hawkesbury, CANADA	n Street			
Tax Identification Number: 23-2	973306	Tax Identificat	ion Number:		
5.	6.	7.	8.	9.	10.
Description of Good(s)	HS Tariff Classification Number	Preference Criterion	Producer	Net Cost	Country of Origin
Heat Treatment Services	8483.401	С	Yes	No No	USA
11. I CERTIFY THAT:					
the Information on this document is true a understand that I am liable for any false s     I agree to maintain, and present upon req all persons to whom the Certificate was g	statements or material omisuest, documentation neceliven of any changes that w	ssions made on ssary to suppor vould affect the	or in connecti t this Certificat accuracy or va	on with this docu e, and to inform, alidity of this Cerl	iment; in writing, ificate;
* the goods originated in the territory of one goods in the North American Free Trade been no further production or any other o	Agreement, and unless sp	ecifically exemp	oted in Article		
* this Certificate consists of One (1)	page, including all attachn	nents.			
Authorized Signature:		Company: Metlab			
Name: Mark Podob		Title: Vice Presider	nt		
, , , , , , , , , , , , , , , , , , , ,	Telephone: 21 <b>5-233-2600</b>		Fax: 215-233-5653		



Commercial Invoice:145

Ship From: Dart Aerospace Ltd.

1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Canada

Tel # 1.613.632.5200 GST # RT101272607 Ship To: METLAB

1000 E Mermaid LN

Wyndmoor PA, 19038 US

**ATTN: Mark Podob PH#** 215 233 2600

Date:

27-Jul-12

P.O. # 17555

Ship Via:

Day & Ross PPD

FOB:Origin

ltem	Part Number / Product Description	Tariff Class.	Quantity	Unit Prise	Total
. 1	Crosstube D350-748-241	8803.20	10	\$ 1,250.00	\$ 12,500.0
2					
3					
4					

# All Prices are in US Dollars All of the above parts were made in Canada unless otherwise indicated THIS IS A CUSTOMS INVOICE ONLY

Sub Total

\$12,500.00

Total

\$12,500.00

Amount Due:

سنزن

\$12,500.00

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada

Tel.: 1.613.632.5200 Fax: 1.613.632.1185 GST # RT101272607



Process Owner, M. Podob

Management Representative: W. Miller

# ORDER ACKNOWLEDGEMENT

C13 622 /052

ن شر

1000 E. Mermedd La., Wynchmoor (Phila.) PA 19038-8093  Jol (215) 233-2400 Fox (215) 233-5653  E-MAIL E	TAXED TO:
Tel. (215) 233-2600 Fex (215) 233-5653 E-MAILE	Rev A 5/10/10
	PO NUMBER:
CUSTOMER:	PO17555
JAN I	METLAB QUOTE NUMBER: N/29
DATE MATERIAL RECEIVED:	Or, MINIMUM STD ORDER(CHECK)
0/1/0/2	NAME AREO NUMBER:
ESTIMATED SHIP DATE:	173277
	OUR BEST EFFORT TO SHIP YOUR ORDER ON OR OVE. IF YOU NEED TO CONTACT US REGARDING S.O. NUMBER SHOWN ABOVE.
THIS ORDER, PLEASE REFERENCE THE METLAB	S.O. NUMBER SHOWN ABOVE
QUOTATION MISSING?OK TO	PROCESS WITHOUT
PURCHASE ORDER MISSING?OK TO	START PROCESSING WITHOUT
NOTE THAT WE NEED THE FOLLOWING INFORMAND TO MEET THE PROMISED SHIP DATE:	AATION IN ORDER TO COMPLETE YOUR ORDER
TECHNICAL INFORMATION REQUIRED(LIST):  OTHER INFORMATION OR CLARIFICATION:  RELEASED FOR PROCESSING BY:	ON HOLD: YESNO
RELEASED FORTEGOESSING FIGURE	
ACKNOWLEDGED BY:	
	SHIPPED DATE:
TODAY'S DATE:	5.1111.00 2.111
THIS ORDER IS ACKNOWLEDGED WITH THE UNIS IN ACCORDANCE WITH METLAB'S TERMS ANTIME OF THE ABOVE QUOTATION.	DERSTANDING THAT THE ABOVE PURCHASE ORDI D CONDITIONS OF SALE AS SUBMITTED AT THE
Page 1 of	· ·1
Process Commer M. Podoh	Approved by: J.G.Conybear



# STRA

STRAIGHT BILL OF LADING - 1.866.I	NIR R-500048-5  BILLER INIT. ALLA FACTURIZION  OF UNIT OCEMARGE BU VENICULE NO.  ON UNIT CHARGE ANS VENICULE NO.
DATE MONTH DAY YEAR GENERAL  PRIVATE RESIDENCE PICK UP PRIVATE RESIDENCE DELIVERY PALLETS BEING RETURNED HAZARDOUS GOODS*  APPOINTMENT DELIVERY(DATE/TIME)	C.O.D  AMOUNT CURRENCY: CDN CU.S.  TAILGATE DELIVERY TEMPERATURE CONTROL(TL ONLY) TRADE SHOW DELIVERY  REQUESTED BY: SHIPPER  CONSIGNEE  Pick Up Information Telephone Number: Contact Name: Ready Date & Time: Closing Time:
*this shipment contains dangerous goods as set out in the attached shipper's declaration  DAY & ROSS ACCT. NO. 173 8324 TEL NO. 134325  SHIPPER TEL NO. 134325  SHIPPER TEL NO. 134325  PICK UP ADDRESS DART APPOSPACE  1270 Aberdeen 51  HAWKES BULL DN. KUA	EMAIL:  DAY & ROSS ACCT. NO.  CONSIGNEE  TEL, NO. 2/5 237  CONSIGNEE'S NAME  MATRIPORTO  DELIVERY ADDRESS MET LAB  1000 E, Mermaiol fan  IKT WYNDMOOR PA
METHOD OF PAYMENT    COLLECT     CASH IN	OTHER BILL TO PARTICULARS  BILL TO:  BILL TO ADDRESS  OST:  CITY PROV. COUNTRY POSTAL CODE
SPOT QUOTE NO.  ROUTING OR SPECIAL INSTRUCTIONS  NO. OF PCS. DESCRIPTION OF ARTICLES AND SPECIAL MARKS  5 Cardboard Cartons	MAXIMUM LIABILITY OF \$2.00/LB OR \$4.41/KG COMPUTED ON THE TOTAL ACTUAL WEIGHT UNLESS DECLARED VALUATION STATES OTHERWISE. PLEASE SEE ADDITIONAL TERMS AND CONDITIONS ON REVERSE.  WEIGHT DECLARED VALUE DIMENSIONS  LIBS KGS CDN. U.S.
The uniform TERMS OF CARRIAGE apply to this BILL OF LADING. (See Term and Condition No. 1)  SHIPPER'S REF. NO. SHIPPER'S SIGNATURE  PRINT BRIGITTE Golder	AIM must be submitted in kty (60) days of delivery. (See Term and CONDITIONS of the Bill of Lading. (See Term and CONDITIONS o
•	0/11 JEN 1375



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO17555

Purchase Order Date 7/27/2012 **PO Print Date** 7/27/2012

Page Number 1 of 3

ستن

Order From:

VU-MET001

**METLAB** 

1000 E. MERMAID LANE WYNDMOOR, PA 19038

**USA** 

Contact Name

Vendor Phone

215-233-2600

Vendor Fax

215-233-5653

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

**Terms** 

Net 30

Currency

USD

**FOB** 

Destination-Collect

Ship To:

DART AFROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

**CANADA** 

Line Nbr	Revision ID	Description/ Mfg ID	Req Date/ Taxable Unit	Req Qty/ t of Measure	Ship Method	Unit Price	Extended Price
846	Vendor Part Number 574	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$20s.
		Special Inst:	HEAT TREAT TO M (MIL-T-6736 OR AN SAND BALST TUB TREAT CETIFICATIONS	MS 2759-1C)	ΛT		
2 846	667	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205.0
		Special Inst:	SAME AS ABOVE			صنتزن	
846	570	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205 (
		Special Inst:	SAME AS ABOVE	1			
846	576	D350-748-241TRN	10:40:00 AM Yes	1.00	Day & Ross ppd	\$205.0000	\$205 (

PO Instructions: OTT19831320

CROSSTUBE WILL BE LEAVING THIS AFTERNOON WITH DAY&ROSS TRACKING #

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required - YES

Change Nbr:

**Change Date:** 7/27/2012



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

#### Purchase Order ID PO17555

Purchase Order Date 7/27/2012 PO Print Date 7/27/2012

Page Number 2 of 3

	rder From : METLAB 1000 E. MERMAII WYNDMOOR, PA USA	D LANE	/U-MET001				
\ \	Contact Name Vendor Phone Vendor Fax Vendor Account Nbr	215-233-2600 215-233-5653		isition Nbr Resale Nbr s	Brigitte Golden  10127-2607  Net 30  USD  Destination-Collect		
5	84659	Special Inst: D350-748-141TRN	SAME AS ABOV 10:40:00 AM Yes	E	Day & Ross ppd	\$205.0000	\$205.(
6	86271	Special Inst: D350-748-141TRN	SAME AS ABOV 10:40:00 AM Yes	TE /1.00	Day & Ross ppd	\$205.0000	\$205 :
7	84666	Special Inst: D350-748-241TRN	SAME AS ABOV 10:40:00 AM Yes	TE 1.00	Day & Ross ppd	\$205.0000	\$205+
8	84660	Special Inst: D350-748-141TRN	SAME AS ABOV 10:40:00 AM Yes	TE / 1.00	Day & Ross ppd	\$205.0000	\$205.0
9	84675	Special Inst: D350-748-241TRN	SAME AS ABOV 10:40:00 AM Yes	, / :	Day & Ross ppd	\$205.0000	\$205 (
10	. 86266	<b>Special Inst:</b> D350-748-141TRN	SAME AS ABOV 10:40:00 AM Yes	TE /1.00	Day & Ross ppd	\$205.0000	\$205 (

PO Instructions: OTT19831320

CROSSTUBE WILL BE LEAVING THIS AFTERNOON W!TH DAY&ROSS TRACKING #

No substitution or deviation without

Certification required - YES

Change Nbr: 1

**Change Date:** 7/27/2012

consent. Certificate of Conformity or Material



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO17555

Purchase Order Fate 7/27/2012 PO Print Date 7/27/2012

Page Number 3 of 3

Order From:

VU-MET001

**METLAB** 

1000 E. MERMAID LANE WYNDMOOR, PA 19038

**USA** 

Contact Name

Vendor Phone

215-233-2600

Vendor Fax

215-233-5653

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607 Net 30

Terms Currency

USD

FOB

Destination-Collect

Special Inst:

SAME AS ABOVE

PO Total:

حنتزي

\$2,050.0

PO Instructions: OTT19831320

CROSSTUBE WILL BE LEAVING THIS AFTERNOON WITH DAY&ROSS TRACKING #

Change Date: 7/27/2012 No substitution or deviation without consent.

Certificate of Conformity or Material NO Certification required - YES

Change Nbr:

#### **Brigitte Golden**

From:

Mark Podob <mpodob@metlabheattreat.com>

Sent:

Friday, July 27, 2012 11:21 AM

To:

Dan Krackovic; Doris Funches; Eugene Roberts

Cc:

Brigitte Golden

Subject:

Attachments:

FW: PO17555 from Dart

PO17555 METLAB.pdf

New P.O. from Dart Aerospace attached.

Thanks.

Mark Podob Vice President, Marketing and Sales Metlab 1000 E. Mermaid Lane Wyndmoor, PA 19038 215-233-2600 Ext. 232 (F) 215-233-5653

mpodob@metlabheattreat.com

This message and any attachments are intended for the individual or entity named above. If you are not the intended recipient, please do not forward, copy, print, use or disclose this communication to others; also please notify the sender replying to this message and then delete it from your system.

From: Brigitte Golden [mailto:bgolden@dartaero.com]

Sent: Friday, July 27, 2012 11:19 AM

To: Mark Podob Cc: 'Linda Lacelle'

Subject: PO17555 from Dart

Please find attached the PO

Thank You

From: Linda Lacelle [mailto:llacelle@dartaero.com]

**Sent:** Thursday, July 26, 2012 2:36 PM **To:** mpodob@metlabheattreat.com

Cc: Brigitte Golden Subject: more tubes

Hi Mark,

We will be shipping out 9 tubes tomorrow for heat treat. Another batch should follow end of next eek. As always, I need these asap..

Thx!

Linda Lacelle Production manager Dart Aerospace

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# Manufacturing Inc.

**Packing Slip** 

_	Date	Page			
	Sep 24, 2012	1			
_	Shipment Nu	mber			
	SH005312				

772 MAIN TREET E., P.O. BOX 3, HAWKES MY, ONTARIO K6A 2R4

PACE

'RY, ON K6A 1K7

1. A.M. DEEN STREET

Sol :

D: r -

HAWKE:

Cammer a

Propried !

Childre

TEL: (613) 632-0921 FAX: (613) 632-2681

Ship To:

DART AEROSPACE 1270 ABERDEEN STREET HAWKESBURY, ON K6A 1K7 CANADA

efe e PO Number Customer No. Order No. Ship Via **Order Date** . -0 17979 **DAR100** OR005146 September 24, 2012 nber Description Qty. UOM Qty. Qty. Ordered Shipped Backord. MS-. .2. ; DART AEROSPACE - SANDBLAST 9 PIPES 9.00 EA 0.00 di Timo مناثرن

Total weight:

Total packages:

2000

\*\*\* THANK YOU FOR YOUR BUSINESS \*\*\*